



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

First Named  
Inventor : Benjamin Y.H. Liu et al.

Appln. No. : 10/769,011

Filed : January 30, 2004

For : HIGH-PERFORMANCE AND MULTI-  
LIQUID-PRECURSOR  
VAPORIZATION IN  
SEMICONDUCTOR THIN FILM  
DEPOSITION

Group Art Unit: 1763

Examiner:

Docket No.: M419.12-0043

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

I HEREBY CERTIFY THAT THIS PAPER IS BEING  
SENT BY U.S. MAIL, FIRST CLASS, TO THE  
COMMISSIONER FOR PATENTS, P.O. BOX 1450,  
ALEXANDRIA, VA 22313-1450, THIS

29 DAY OF AUGUST 20 05  
*[Signature]*  
PATENT ATTORNEY

Sir:

The patents or publications listed on the enclosed PTO Form-1449 are submitted pursuant to 37 C.F.R. § 1.97. Copies of the patents or publications cited are enclosed, except as waived by the Official Gazette notice of August 5, 2003 regarding copies of U.S. Patents and Published Applications.

The following foreign language documents and English language documents are believed to be equivalent or substantially equivalent:

FOREIGN LANGUAGE

WO 03/079421

ENGLISH LANGUAGE

EP 1 492 159

**TIME OF FILING**

The information disclosure statement is being filed:

1. X with the application or within three months of the filing date of the application or date of entry into the national stage of an international application or before the mailing date of a first Office action on the merits, whichever event occurs last. In

accordance with 37 C.F.R. § 1.97(b), no statement or fee is required.

2. ☐ after the time period specified in paragraph 1 above, but before the mailing date of a final action under 37 C.F.R. § 1.113 or notice of allowance under 37 C.F.R. § 1.311. Therefore, in accordance with 37 C.F.R. § 1.97(c), submitted herewith is:

(check either A or B below)

- A. ☐ a statement as specified in 37 C.F.R. § 1.97(e).  
B. ☐ the fee set forth in 37 C.F.R. § 1.17(p) for submission of an information disclosure statement under 37 C.F.R. § 1.97(c).

3. ☐ after the mailing date of either a final action under 37 C.F.R. § 1.113 or a notice of allowance under 37 C.F.R. § 1.311, whichever occurs first, but before payment of the issue fee. Therefore, Applicant petitions for consideration and submits herewith:

- A. a statement as specified in 37 C.F.R. § 1.97(e);  
B. the petition fee set forth in 37 C.F.R. § 1.17(p).

#### STATEMENT

(only used if No. 2(A) or No. 3 above is checked)

The person(s) signing below certify

(check appropriate paragraph)

☐ that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(1).

OR

☐ that no item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application

or, to the knowledge of the person signing the certification after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement. 37 C.F.R. § 1.97(e)(2).

**METHOD OF PAYMENT**

  X   No fee is required.

       Attached is a check in the amount of \$       .

The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.


Respectfully submitted,

WESTMAN, CHAMPLIN & KELLY, P.A.

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FORM PTO-1449		Atty. Docket No.: M419.12-0043	Appl. No.: 10/769,011
 <p>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</p>		First Named Inventor:	
		Benjamin Y.H. Liu et al.	
		Filing Date January 30, 2004	Group Art: 1763

## U.S. PATENT DOCUMENTS

Examiner Initial	Document No.	Date	Name	Class	Sub Class	Filing Date If Appropriate
AA	5,372,754	12/1994	Ono et al.	261	142	
AB	6,470,144	10/2002	Tarutani et al.	392	396	
AC	6,540,840	04/2003	Toda et al.	118	726	
AD	6,548,112	04/2003	Hillman et al.	427	248.1	
AE						
AF						
AG						

## FOREIGN PATENT DOCUMENTS

	Document No.	Date	Country	Class	Sub Class	Translation Yes No
AH	WO 03/079421	09/2003	Japan			X
AI	EP 1 492 159	12/2004	EP			
AJ	EP 1 108 801	06/2001	Europe			
AK	WO 02/074445	09/2002	WIPO			

## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

AL	Invitation to Pay Additional Fees and Annex to Form PCT/ISA/206 Communication Relating to the Results of the Partial International Search of International Application No. PCT/US2004/041944.
AM	
AN	

EXAMINER:

DATE CONSIDERED:

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.